

## DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Thickness Of Insulation mm	Nominal Thickness Of Sheath mm	Nominal Overall Diameter mm	Nominal Weight Kg/Km
2	2.5	0.8	0.8	4.4x10.8	90
2	4	0.8	0.8	4.7x11.4	120
2	6	1	1	5.3x12.6	190
2	10	1	1.2	6.0x13.8	294
2	16	1	1.2	6.7x15.2	420
2	25	1.1	1.3	8.1x18	627
2	35	1.1	1.3	9.1x20	824
2	50	1.2	1.4	14.6x30.6	1132
2	70	1.6	1.6	16.4x34.4	1600
2	95	1.6	1	18.4x38.6	2080

## CONDUCTORS

Class 6 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Diameter Of Wires In Conductor mm	Maximum Resistance Of Conductor At 20°C
		Plain Wires ohms/km
2.5	0.16	7.98
4	0.16	4.95
6	0.21	3.3
10	0.21	1.91
16	0.21	1.21
25	0.21	0.78
35	0.21	0.554
50	0.31	0.386
70	0.31	0.272
95	0.31	0.206

The above table is in accordance with BS EN 60228 (previously BS 6360)

## ELECTRICAL CHARACTERISTICS

### Current Carrying Capacity

No. Of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Current Rating At 60°C Amps
2	2.5	32
2	4	42
2	6	54
2	10	73
2	16	98
2	25	129
2	35	158
2	50	198
2	70	245
2	95	292

### DE-RATING FACTORS

AIRTEMPERATURE	25°C	30°C	35°C	40°C	45°C
DE-RATINGFACTOR	1.00	0.96	0.90	0.88	0.83

To allow the operator to handle the cable during use, with suitable gloves, a maximum conductor temperature of 60°C is advisable.